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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Youqi Wang, Marco Falcioni,  
Stephen J. Turner and C. Eric  
Ramberg

Art Unit : Unknown

Examiner : Unknown

Serial No. : 10/024,649

Filed : December 17, 2001

Title : METHODS AND APPARATUS FOR PREPARING HIGH-DIMENSIONAL  
COMBINATORIAL EXPERIMENTS

Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

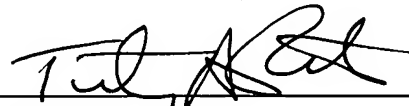
Applicant submits the references listed on the attached form PTO-1449, copies of which are enclosed.

This statement is being filed before the receipt of a first Office action on the merits.

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Respectfully submitted,

Date: 2/22/02

  
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Timothy A. Porter  
Reg. No. 41,258

Fish & Richardson P.C.  
500 Arguello Street, Suite 500  
Redwood City, California 94063  
Telephone: (650) 839-5070  
Facsimile: (650) 839-5071

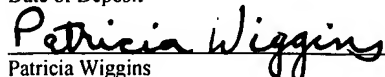
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February 22, 2002

Date of Deposit

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\_\_\_\_\_  
Patricia Wiggins



Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10555-025001	Application No. 10/024,649
	Applicants Youqi Wang, Marco Falcioni, Stephen J. Turner and C. Eric Ramberg		
	Filing Date December 17, 2001	Group Art Unit	

### U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Sub-class	Filing Date If Appropriate
	AA	5,759,779	6/2/98	Dehlinger	435	436	
	AB	5,763,263	6/9/98	Dehlinger	435	287	
	AC	6,044,212	*3/28/00	Flavin et al.	395	500.27	
	AD	US 6,175,816 B1	*1/16/01	Flavin et al.	703	13	

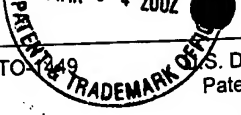
### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AE	WO 99/59722	11/25/99	PCT	B01L 3/00			

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AF	James N. Cawse, Ph.D., "Experimental Strategies for Combinatorial and High-Throughput Materials Development", Accounts of Chemical Research, 2001, vol. 34, no. 3, pp. 213-221
	AG	L. A. Corkan et al., "Application of an Automated Chemistry Workstation to Problems in Synthetic Chemistry", Chemometrics and Intelligent Laboratory Systems: Lab. Info. Mgmt., 1992, vol. 17, pp. 95-105.
	AH	L. A. Corkan and J. S. Lindsey, "Design Concepts for Synthetic Chemistry Workstations", Advances in Laboratory Automation Robotics, 1990, vol. 6, pp. 447-497.
	AI	L. A. Corkan and J. S. Lindsey, "Experiment Manager Software for an Automated Chemistry Workstation, Including a Scheduler for Parallel Experimentation", Chemometrics and Intelligent Laboratory Systems: Lab. Info. Mgmt., 1992, vol. 17, pp. 47-47.
	AJ	M. W. Deem, "A Statistical Mechanical Approach to Combinatorial Chemistry", Advances in Chemical Engineering 28, Academic Press, 2001, pp. 81-121
	AK	M. Falcioni and M. W. Deem, "Library Design in Combinatorial Chemistry by Monte Carlo Methods", Phys. Rev. E 61, 2000, pp. 5948-5952
	AL	S. P.A. Foder, J. Leighton Red, M. C. Pirrung, L. Stryer, A. T. Lu, D. Solas, "Light-directed, spatially addressable parallel chemical synthesis", Science, (1991) Vol. 251, pp. 767-773
	AM	R. A. Houghten "Parallel array and mixture-based synthetic combinatorial chemistry: tools for the next millennium", Annu. Rev. Pharmacol. Toxicol. (2000) Vol. 40, pp. 273-82
	AN	H. Koinuma, T. Koida, T. Ohnishi, D. Komiyama, M. Lippmaa, M. Kawasaki, "Parallel fabrication of artificially designed superlattices by combinatorial laser MBE", Appl. Phys. A 69 Supp., (1999) S29-S31
	AO	J. S. Lindsey, "Automated Workstations for Chemical Synthesis in Japan: A New Paradigm for Pharmaceutical Research", Am. Lab., 1993, pp. 17, 18, 20.
	AP	J. S. Lindsey, "A Retrospective on the Automation of Laboratory Synthetic Chemistry", Chemometrics and Intelligent Laboratory Systems: Lab. Inf. Mgmt., 1992, vol. 17, pp. 15-45.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



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**Other Documents (include Author, Title, Date, and Place of Publication)**

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	AQ	J. S. Lindsey and L. A. Corkan, "Toward High-Performance Parallel Experimentation Machines: Use of a Scheduler as a Quantitative Computer-Aided Design Tool for Evaluating Workstation Performance", Chemometrics and Intelligent Laboratory Systems: Lab. Info. Mgmt., 1993, vol. 21, pp. 139-150.
	AR	A. M. Thayer, "Bioinformatics for the Masses", Business, 2000, vol. 78, no. 6, CENEAR 78, pp. 19-32
	AS	SAS Institute, "JMP Statistical Discovery Software: Design of Experiments", 2000, Version 4
	AT	B. Yan, L. Liu, C. A. Astor and Q. Tang, "Determination of the absolute amount of resin-bound hydroxyl or carboxyl groups for the optimization of solid-phase combinatorial and parallel organic synthesis", Anal. Chem. (1999) vol. 71, pp. 4564-4571

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